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~~~~~ [8]

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[1] ~~~~ 4 ~~~~  
AlphaGo Zero ~ superhuman ~

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[2] ~~~~~
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[3] ~~~~~

[4] ~~~~ data mining

Data mining ~~~~ data ~~~~ data ~~~~  
data mining ~~~~ data ~~~~~

data mining ~~~~~  
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~~~~~ big data ~~~~ big data ~  
~~~~~

AlphaGo Zero ~~~~~
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matrix/tensor~regularization~Boltzmann Machines ~ energy ~~~~ neural network ~
Turing Machine ~~~~~ human specific
intelligence~

data mining ~ big data~~~~

[5] ~~~~~
~~~~~AlphaGo Zero ~ superhuman ~~~~

~~~~~ Technological Singularity ~~~~~  
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